


- **9-6.** Use your generalized process of completing the square to rewrite and solve each quadratic equation below. [Homework Help](#) 

a. $w^2 + 28w + 52 = 0$

b. $x^2 + 5x + 4 = 0$

c. $k^2 - 16k - 17 = 0$

d. $z^2 - 1000z + 60775 = 0$


- **9-7.** For each of the following equations, indicate whether its graph would be a line or a parabola. [Homework Help](#) 

a. $5x + 2y = 7$

b. $y = 3x^2$

c. $y = 3$

d. $4x^2 + 3x = 7 + y$

- **9-8. Multiple Choice:** Which equations below are equivalent to: [Homework Help](#) 


• $\frac{1}{2}(6x - 14) + 5x = 2 - 3x + 8$

a. $3x - 7 + 5x = 10 - 3x$

b. $3x - 14 + 5x = 2 - 3x + 8$

c. $8x - 14 = 10 - 3x$

d. $6x - 14 + 10x = 4 - 6x + 16$

- **9-9.** Rewrite each radical expression in exponent form. [Homework Help](#) 

a. $\sqrt[3]{10}$

b. $\sqrt{15}$

c. $\sqrt[4]{18^3}$

d. $\frac{1}{\sqrt{5}}$

- **9-10.** Examine the two equations below. Where do they intersect? [Homework Help](#)



$$y = 4x - 3$$

$$y = 9x - 13$$